

GenCore version 4.5  
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## OM nucleic - nucleic search, using sw model

Run on: June 19, 2002, 11:55:27 ; Search time 69.8 Seconds  
(without alignments)  
3146.080 Million cell updates/sec

Title: US-09-788-476A-1  
Perfect score: 894  
Sequence: 1 gggagtgagtgagtgagta.....taataaaaaataagaaga 894

Scoring table: IDENTITY\_NUC  
Gapop 10.0 , Gapext 1.0

Searched: 383533 seqs, 122816752 residues

Total number of hits satisfying chosen parameters: 767066

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database : Issued\_Patents\_NA: \*  
1: /cgn2\_6/ptodata/1/ina/5A.COMB.seq: \*  
2: /cgn2\_6/ptodata/1/ina/5B.COMB.seq: \*  
3: /cgn2\_6/ptodata/1/ina/6A.COMB.seq: \*  
4: /cgn2\_6/ptodata/1/ina/6B.COMB.seq: \*  
5: /cgn2\_6/ptodata/1/ina/PCTUS.COMB.seq: \*  
6: /cgn2\_6/ptodata/1/ina/backfile1.seq: \*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
C 1	80.6	9.0	7218	1 US-08-232-463-14	Sequence 14, Appl
2	53.6	6.0	3211	2 US-08-574-959A-8	Sequence 8, Appl
3	53.6	6.0	3211	4 US-09-357-014-8	Sequence 8, Appl
4	53.6	6.0	3901	2 US-08-574-959A-6	Sequence 6, Appl
5	53.6	6.0	3901	4 US-09-357-014-6	Sequence 6, Appl
6	43	4.8	2277	1 US-08-676-967-2	Sequence 2, Appl
7	43	4.8	2277	1 US-08-676-974-2	Sequence 2, Appl
8	43	4.8	2277	2 US-09-098-487-2	Sequence 2, Appl
9	43	4.8	4081	4 US-08-999-774A-1	Sequence 1, Appl
10	42.6	4.8	5183	1 US-08-459-568-3	Sequence 3, Appl
11	42.6	4.8	5183	2 US-08-399-411-3	Sequence 3, Appl
12	42.6	4.8	5868	3 US-08-516-859A-3	Sequence 20, App
13	41.8	4.7	231	4 US-09-461-697-207	Sequence 205, App
14	41.8	4.7	282	4 US-09-461-697-205	Sequence 205, App
15	41.8	4.7	306	4 US-09-461-697-203	Sequence 193, App
16	41.8	4.7	696	4 US-09-461-697-193	Sequence 193, App
17	41.8	4.7	699	4 US-09-461-697-191	Sequence 189, App
18	41.8	4.7	717	4 US-09-461-697-189	Sequence 187, App
19	41.8	4.7	774	4 US-09-461-697-187	Sequence 185, App
20	41.8	4.7	819	4 US-09-461-697-185	Sequence 184, App
21	41.8	4.7	1669	4 US-09-461-697-184	Sequence 184, App
22	41.2	4.6	1236	2 US-08-741-134-5	Patent No. 5231168
23	40.4	4.5	3095	6 5231168-1	Sequence 7, Appl
24	40.2	4.5	2606	2 US-08-568-459A-7	Sequence 7, Appl
25	40.2	4.5	2606	2 US-08-487-826B-7	Sequence 17, Appl
26	40	4.5	289	4 US-09-007-005-17	Sequence 17, Appl
27	40	4.5	289	4 US-09-244-796-17	Sequence 17, Appl

28	39.8	4.5	759	1 US-08-466-603-4	Sequence 4, Appl
29	39.8	4.5	759	1 US-08-314-503A-4	Sequence 4, Appl
30	39.8	4.5	759	1 US-08-468-066-4	Sequence 4, Appl
31	39.8	4.5	759	2 US-08-466-717-4	Sequence 4, Appl
32	39.8	4.5	759	2 US-08-466-743-4	Sequence 4, Appl
33	39.8	4.5	759	5 PCT-US95-12414-4	Sequence 3, Appl
34	39.8	4.5	980	1 US-08-466-603-3	Sequence 3, Appl
35	39.8	4.5	980	1 US-08-314-503A-3	Sequence 3, Appl
36	39.8	4.5	980	1 US-08-468-066-3	Sequence 3, Appl
37	39.8	4.5	980	2 US-08-466-717-3	Sequence 3, Appl
38	39.8	4.5	980	2 US-08-466-743-3	Sequence 3, Appl
39	39.8	4.5	980	5 PCT-US95-12414-3	Sequence 3, Appl
40	39.8	4.5	1320	1 US-08-257-073-15	Sequence 15, Appl
41	39.8	4.5	1482	4 US-08-098-327E-41	Sequence 41, Appl
42	39.8	4.5	1482	4 US-08-098-327E-45	Sequence 45, Appl
43	39.8	4.5	1482	4 US-08-462-625-41	Sequence 41, Appl
44	39.8	4.5	1482	4 US-08-462-625-45	Sequence 45, Appl
45	39.8	4.5	1493	4 US-08-098-327E-38	Sequence 38, Appl

## ALIGNMENTS

RESULT 1  
US-08-232-463-14/c  
; Sequence 14, Application US/08232463  
; Patent No. 5670367  
; GENERAL INFORMATION:  
; APPLICANT: DORNER, F.  
; APPLICANT: SCHEIFLINGER, F.  
; APPLICANT: FALKNER, F. G.  
; TITLE OF INVENTION: RECOMBINANT FOWLPOX VIRUS  
; NUMBER OF SEQUENCES: 52  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Foley & Lardner  
; STREET: 1800 Diagonal Road, Suite 500  
; CITY: Alexandria  
; STATE: VA  
; COUNTRY: USA  
; ZIP: 22313-0299  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: PatentIn Release #1.0, Version #1.25  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/232,463  
; FILING DATE:  
; CLASSIFICATION: 435  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: US/07/935,313  
; FILING DATE:  
; APPLICATION NUMBER: EP 91 114 300.6  
; FILING DATE: 26-AUG-1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: BENT, Stephen A.  
; REGISTRATION NUMBER: 29,768  
; REFERENCE/DOCKET NUMBER: 30472/114 IMMU  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: (703)836-9300  
; TELEFAX: (703)683-4109  
; TELEX: 899149  
; INFORMATION FOR SEQ ID NO: 14:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 7218 base pairs  
; TYPE: nucleic acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; CLONE: pTZgpt-F15  
; US-08-232-463-14







1 ADDRESS: Science & Technology Law Group  
2 STREET: 268 Bush Street, Suite 3200  
3 CITY: San Francisco  
4 STATE: CA  
5 COUNTRY: USA  
6 ZIP: 94104  
7  
8 COMPUTER READABLE FORM:  
9 MEDIUM TYPE: Floppy disk  
10 COMPUTER: IBM PC compatible  
11 OPERATING SYSTEM: PC-DOS/MS-DOS  
12 SOFTWARE: PatentIn Release #1.0, Version #1.30  
13  
14 CURRENT APPLICATION DATA:  
15 APPLICATION NUMBER: US/09/098,487  
16  
17 FILING DATE:  
18  
19 CLASSIFICATION:  
20  
21 ATTORNEY/AGENT INFORMATION:  
22 NAME: Osman Ph.D., Richard A  
23  
24 REGISTRATION NUMBER: 36,627  
25  
26 REFERENCE/DOCKET NUMBER: UCB96-055  
27  
28 TELECOMMUNICATION INFORMATION:  
29 TELEPHONE: (415)343-4341  
30 TELEFAX: (415)343-4342  
31  
32 INFORMATION FOR SEQ ID NO: 2:  
33  
34 SEQUENCE CHARACTERISTICS:  
35 LENGTH: 2277 base pairs  
36 TYPE: nucleic acid  
37 STRANDEDNESS: double  
38 TOPOLOGY: linear  
39  
40 MOLECULE TYPE: cDNA  
41  
42 US-09-098-487-2

```

1 NUMBER OF SEQUENCES: 13
2 CORRESPONDENCE ADDRESS:
3 ADDRESSEE: DNAX Research Institute
4 STREET: 901 California Avenue
5 CITY: Palo Alto
6 STATE: California
7 COUNTRY: USA
8 ZIP: 94304-1104
9
10 COMPUTER READABLE FORM:
11 MEDIUM TYPE: Floppy disk
12 COMPUTER: IBM PC compatible
13 OPERATING SYSTEM: PC-DOS/MS-DOS
14 SOFTWARE: Patent Release #1.0, Version #1.30
15 CURRENT APPLICATION DATA:
16 APPLICATION NUMBER: US/08/999,774A
17 FILING DATE: 10-DEC-1997
18 CLASSIFICATION: 435
19 PRIOR APPLICATION DATA:
20 APPLICATION NUMBER: US 60/032,818
21 FILING DATE: 11-DEC-1996
22 ATTORNEY/AGENT INFORMATION:
23 NAME: Ching, Edwin P.
24 REGISTRATION NUMBER: 34,090
25 REFERENCE/DOCKET NUMBER: DX0646
26 TELECOMMUNICATION INFORMATION:
27 TELEPHONE: (650)852-9196
28 TELEFAX: (650)496-1200
29 INFORMATION FOR SEQ ID NO: 1:
30 SEQUENCE CHARACTERISTICS:
31 LENGTH: 4081 base pairs
32 TYPE: nucleic acid
33 STRANDEDNESS: single
34 TOPOLOGY: linear
35 MOLECULE TYPE: cDNA
36 FEATURE:
37 NAME/KEY: CDS
38 LOCATION: 117..3431
39 US-08-999-774A-1

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```

:      NUMBER OF SEQUENCES: 93
:      CORRESPONDENCE ADDRESS:
:      ADDRESSEE: Campbell and Flores
:      STREET: 4370 La Jolla Village Drive, Suite 700
:      CITY: San Diego
:      STATE: California
:      COUNTRY: USA
:      ZIP: 92122
:      COMPUTER READABLE FORM:
:      MEDIUM TYPE: Floppy disk
:      COMPUTER: IBM PC compatible
:      OPERATING SYSTEM: PC-DOS/MS-DOS
:      SOFTWARE: Patentin Release #1.0, Version #1.25
:      CURRENT APPLICATION DATA:
:      APPLICATION NUMBER: US/08/459,568
:      FILING DATE: 02-JUN-1995
:      CLASSIFICATION: 514
:      PRIOR APPLICATION DATA:
:      APPLICATION NUMBER: US 08/399,411
:      FILING DATE: 06-MAR-1995
:      ATTORNEY/AGENT INFORMATION:
:      NAME: Campbell, Cathryn A.
:      REGISTRATION NUMBER: 31,815
:      REFERENCE/DOCKET NUMBER: P-LJ 1264
:      TELECOMMUNICATION INFORMATION:
:      TELEPHONE: (619) 535-9001
:      TELEFAX: (619) 535-8949
:      INFORMATION FOR SEQ ID NO: 3:
:      SEQUENCE CHARACTERISTICS:
:      LENGTH: 5183 base pairs
:      TYPE: nucleic acid
:      STRANDEDNESS: double
:      TOPOLOGY: linear
:      FEATURE:
:      NAME/KEY: CDS
:      LOCATION: 1..5158
:      US-08-459-568-3

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Query Match          4.8%; Score 42.6; DB 1; Length 5183;
Best Local Similarity 61.1%; Pred. No. 0.014;
Matches 69; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

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Db 815 AGGAAGAGGAGGAGATGAAGAAGAAAGAGATGATGATGATGATGATGATGATGATGATG 874
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Qy 200 aaacagaggaagaagaacaagcccatgtgacctcctgtcaagaagagaaga 252
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```

RESULT 11
US-08-399-411-3
: Sequence 3, Application US/08399411
: Patent No. 5831008
: GENERAL INFORMATION:
: APPLICANT: Huang, Shi
: TITLE OF INVENTION: Retinoblastoma Protein - Interacting
: NUMBER OF SEQUENCES: 93
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Campbell and Flores
: STREET: 4370 La Jolla Village Drive, Suite 700
: CITY: San Diego
: STATE: California
: COUNTRY: USA
: ZIP: 92122
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25

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:      CURRENT APPLICATION DATA:
:      APPLICATION NUMBER: US/08/399,411
:      FILING DATE: 06-MAR-1995
:      CLASSIFICATION: 530
:      ATTORNEY/AGENT INFORMATION:
:      NAME: Campbell, Cathryn A.
:      REGISTRATION NUMBER: 31,815
:      REFERENCE/DOCKET NUMBER: P-LJ 1264
:      TELECOMMUNICATION INFORMATION:
:      TELEPHONE: (619) 535-9001
:      TELEFAX: (619) 535-8949
:      INFORMATION FOR SEQ ID NO: 3:
:      SEQUENCE CHARACTERISTICS:
:      LENGTH: 5183 base pairs
:      TYPE: nucleic acid
:      STRANDEDNESS: double
:      TOPOLOGY: linear
:      FEATURE:
:      NAME/KEY: CDS
:      LOCATION: 1..5158
:      US-08-399-411-3

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Query Match          4.8%; Score 42.6; DB 2; Length 5183;
Best Local Similarity 61.1%; Pred. No. 0.014;
Matches 69; Conservative 0; Mismatches 44; Indels 0; Gaps 0;

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Db 815 AGGAAGAGGAGGAGATGAAGAAGAAAGAGATGATGATGATGATGATGATGATGATGATG 874
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Qy 200 aaacagaggaagaagaacaagcccatgtgacctcctgtcaagaagagaaga 252
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```

RESULT 12
US-08-516-859A-3
: Sequence 3, Application US/08516859A
: Patent No. 6069231
: GENERAL INFORMATION:
: APPLICANT: Huang, Shi
: TITLE OF INVENTION: Retinoblastoma Protein - Interacting
: NUMBER OF SEQUENCES: 106
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: Campbell & Flores LLP
: STREET: 4370 La Jolla Village Drive, Suite 700
: CITY: San Diego
: STATE: California
: COUNTRY: USA
: ZIP: 92122
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: Patentin Release #1.0, Version #1.25
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/08/516,859A
: FILING DATE: 18-AUG-1995
: CLASSIFICATION: 514
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/399,411
: FILING DATE: 06-MAR-1995
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 08/292,683
: FILING DATE: 18-AUG-1994
: ATTORNEY/AGENT INFORMATION:
: NAME: Campbell, Cathryn A.
: REGISTRATION NUMBER: 31,815
: REFERENCE/DOCKET NUMBER: P-LJ 1776
: TELECOMMUNICATION INFORMATION:
: TELEPHONE: (619) 535-9001

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US-09-461-697-203

Query Match 4.7%: Score 41.8; DB 4; Length 306;  
Best Local Similarity 50.8%; Pred. No. 0.0055;  
Matches 100; Conservative 0; Mismatches 97; Indels 0; Gaps 0;

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DB 87 gaagagatggaaaaagagataaaatgtgaatgaaagagagagatgcacaaagagaa 146  
QY 211 gaagaaacaagcccatgagctccctgtcaaaagaggaacccctgaaaaaactgtt 270  
||||| ||| ||| | ||| | ||| | ||| | ||| | ||| |  
DB 147 gaagatggaaaaaaagtgaaagacgaaaaaggaatggagaagatgaaaaagaaaaaga 206  
QY 271 gatgtggcagcagagaaagtggtgaaatctacatctgaatccacagactgagaga 330  
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DB 207 gaagatgaaaaagagaaagacagaaacagagagtggaagaagaatgaagat 266  
QY 331 atgcagaagaggctga 347  
| ||| || ||  
DB 267 ggaagaagaggagaga 283

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Job time: 8528 sec